

1 mktng hf kdfawkkcllgasvgallvgcsphiietnevalklnyhpasekvqaldekill
61 lrpafqysdniakeyenkfnqtvlkveqilqnqgykvinvdssdkddfsfaqkkegyla
121 vamngeivlrdpkrtiqkksepglfstgldkmegvlipagfvkvtilepmmsgeslds
181 tmdlseldiqekflktthsshsgglvstmvkgtdnsndaiksalnkifgsimqeidkklt
241 qknlesyqkdakelkgkrnr

FIG. I

Fig 2a

Streptococcus pneumoniae pspA homologous sequence ->

x x x | D K x x T Q K x L E x x x x DA x E L x x x x

H. pylori flagellar sheath adhesion protein sequence ->

M Q E I D K K L T Q K N L E S Y Q K D A K E L K G K R N

Mycoplasma hominis Lp1 homologous sequence ->

x x E I x K K L x x x x E S x x K D A K E L x G x R N

FIG 2_b

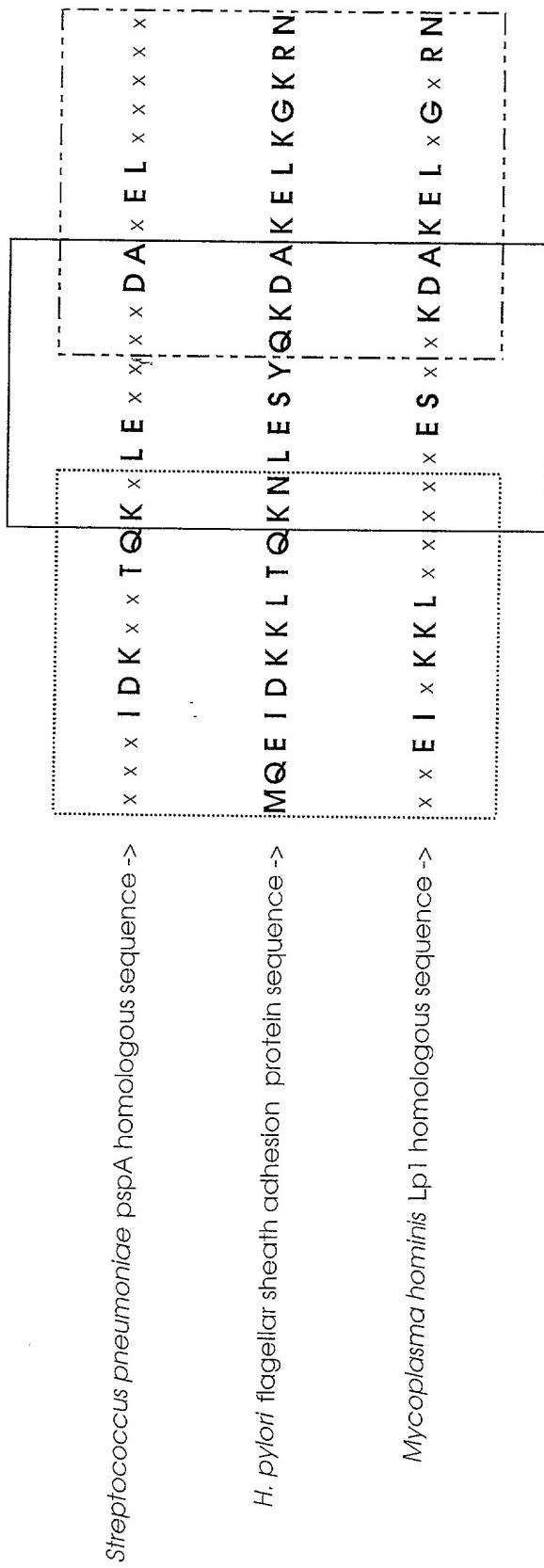


Figure 3 Plot

Figure 5 Plot

Figure 4 Plot

FIG. 3

H. pylori Peptide MQEIDKKLTQKN Test Data

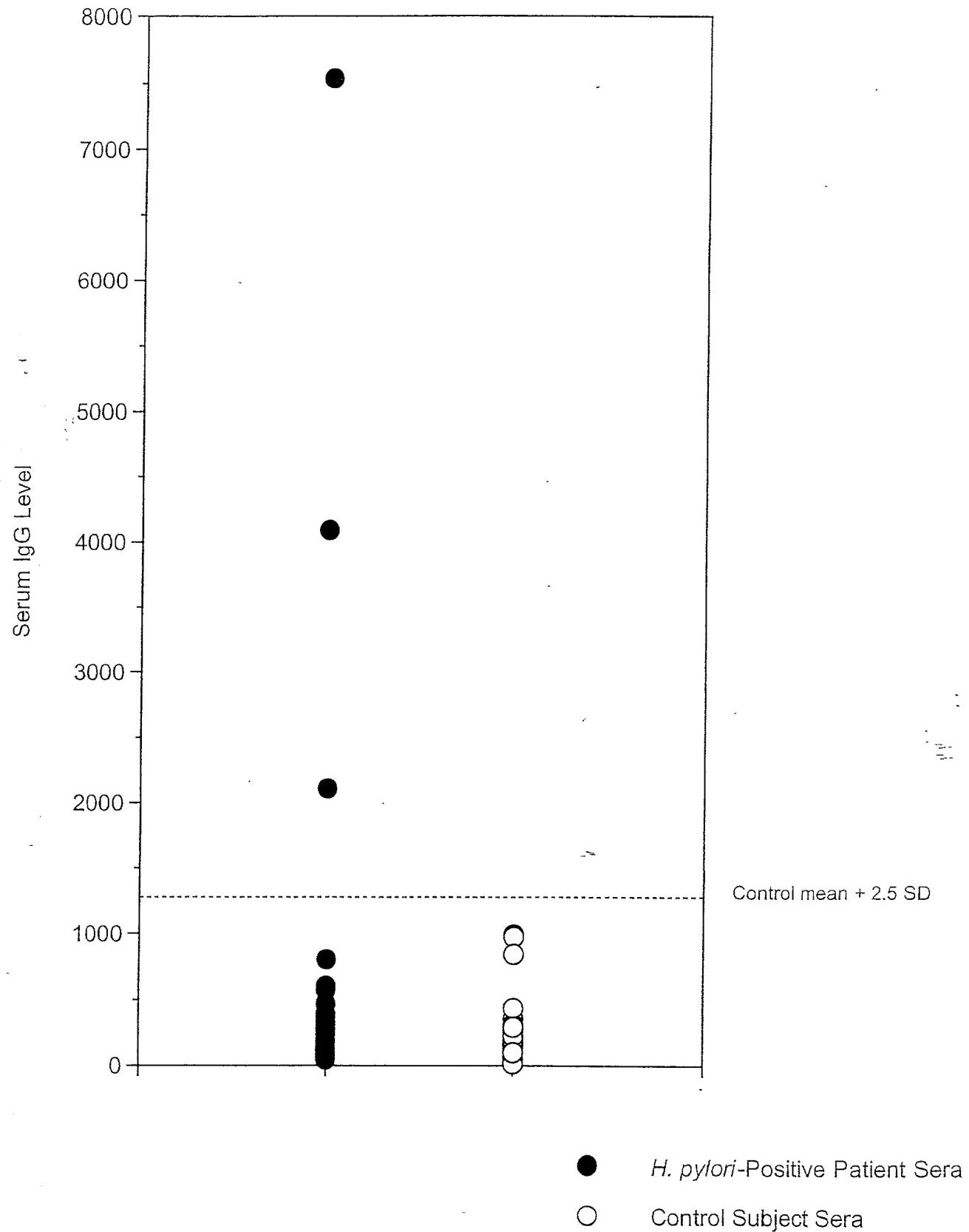


FIG 4

H. pylori Peptide KNLESYQKDA Data

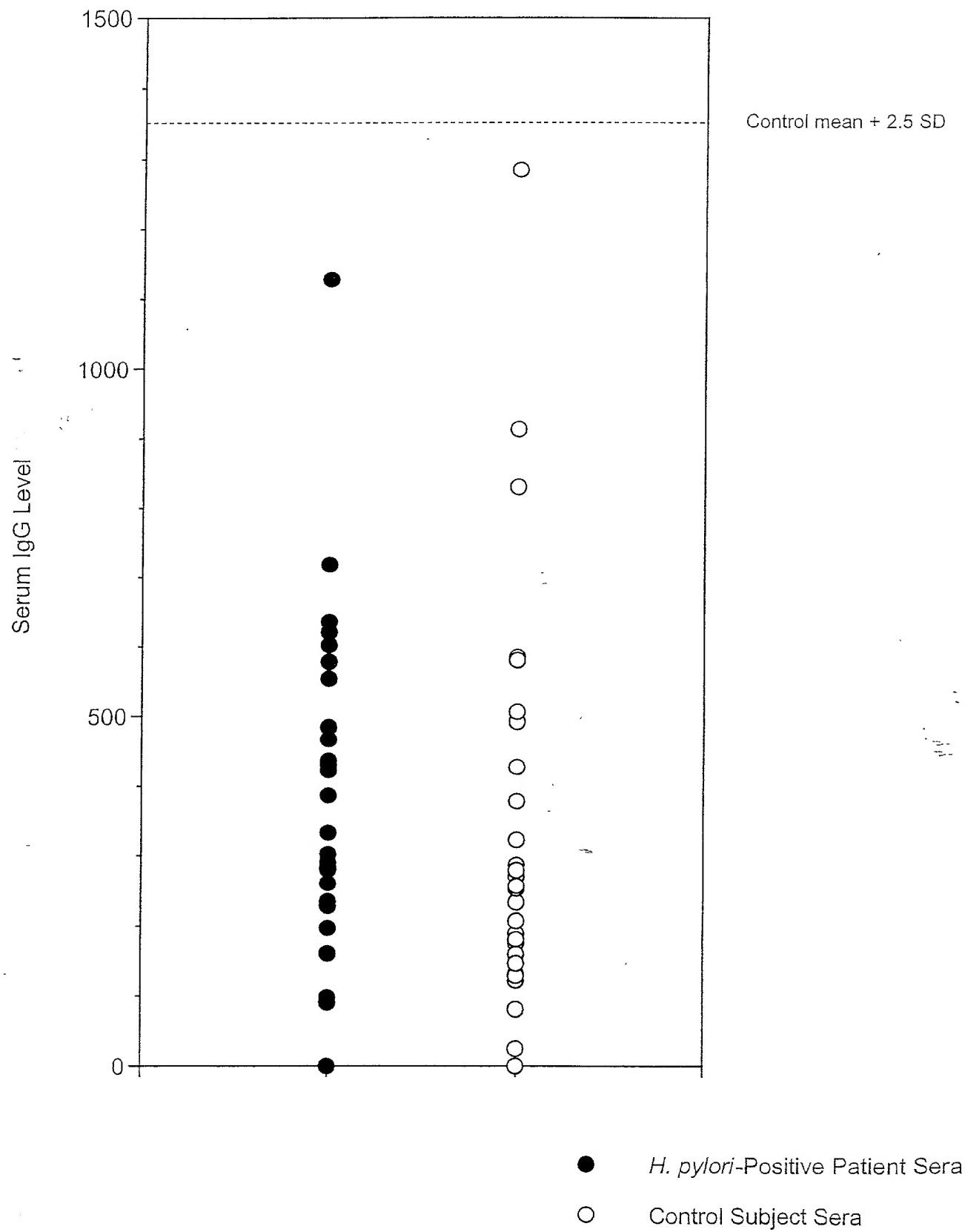


FIG 5

H. pylori Peptide QKDAKELKGKRN Data

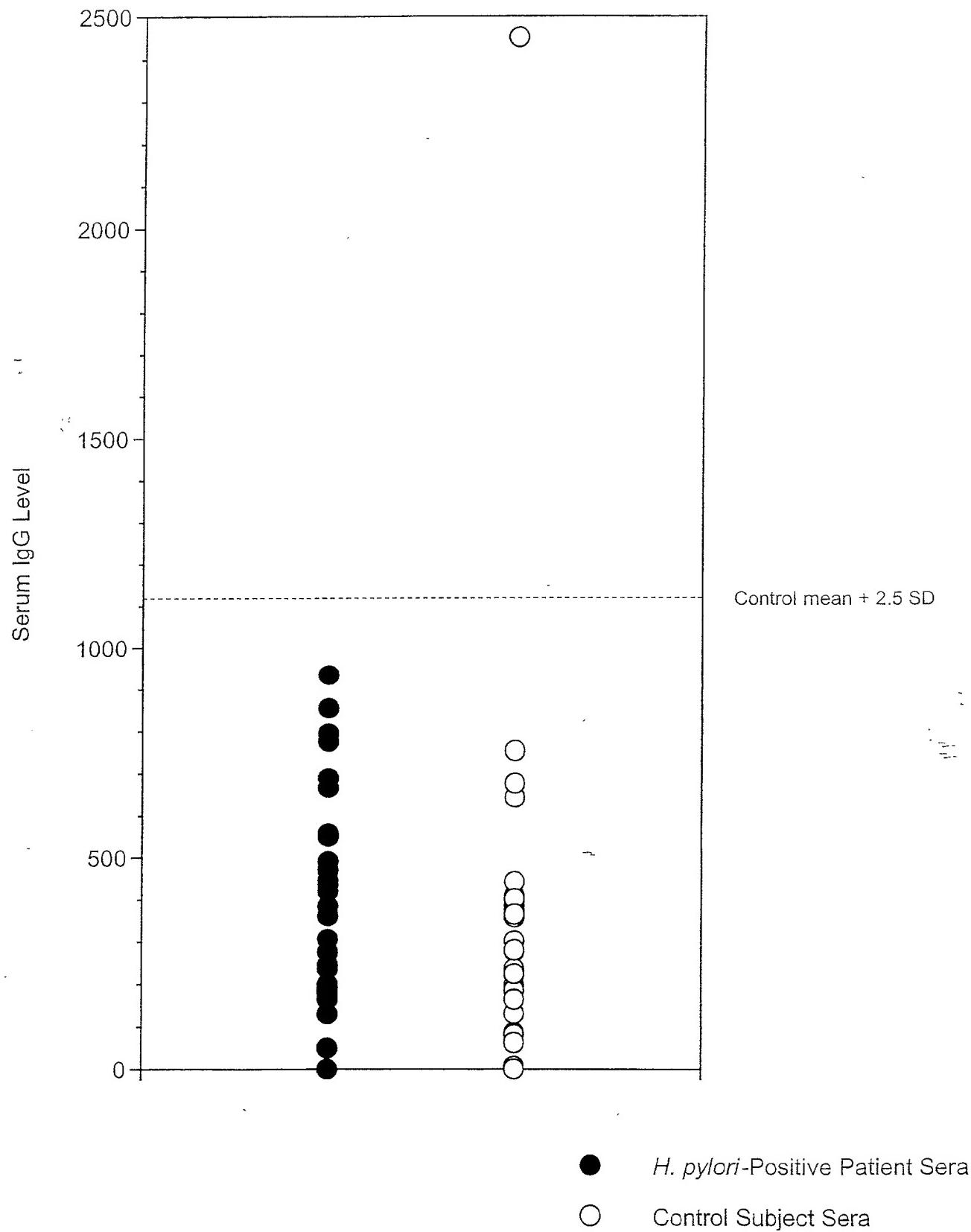


FIG. 6

Parent *H. pylori* Protein

Adhesin 2

Iron-Regulated Outer
Membrane Protein

Lipid A Disaccharide Synthase

LPP20 Lipoprotein

Flagellar Sheath Adhesin

Outer Membrane Protein 1

Outer Membrane Protein 19

Outer Membrane Porin 1

Outer Membrane Porin 2

Vacuolating Cytotoxin

Functionally Specific Peptide Antigens

LPALKENNGKV

VTTKGERTFEYNN

LEQNEGFKRRV

TVDASGKRSISG

MQEIDKKLTQKN

NTRYDRWAKD

INGDKRTGGKPNTPE

SSSEYEKLKA

KEQIIIEAKGPDV

QQTHRキンRP

KQAEAEANKTP

KTPDKPDKVW

SCANNED, #22

Fig. 7a

Number of IgG-Positive Results On Individual Peptide Assays

76

Number of IgG-Positive Results On Individual Peptide Assays

Human Type II Collagen Functionally Specific Peptide Antigens

QGQDVHQPG

GRDGE

GGFDEKAGGA

WPGLPGA

GLPGTPGTDGPKGASGPAGPPGAQGPPG

GPEGAPGKDGGRGLT

GEVGPPGPAGSAGARGAP

TGPKGARGAQGPPGATGFPGAA

NGNPGPPGPPGPS

LQGPAGPP

AVGAPGAPGPPGSPGPAGPTGKQGD

KGHRGFTGLQ

IGPPGPRGRSGETGPAGPPGN

FIG 8